5

WHAT IS CLAIMED IS:

1. A liquid crystal display (LCD) adaptive to a viewing angle, comprising:

a driving voltage generator for generating first and second voltages based on an externally input power;

a voltage divider for converting a level of the first voltage based on the viewing angle of an LCD panel to generate a third voltage;

a viewing angle generator for generating information about the viewing angle based on the second and third voltages; and

a gamma curve determiner for selecting a liquid crystal gamma curve corresponding to received information about the viewing angle, and controlling a gray level with a gamma voltage value based on the selected liquid crystal gamma curve.

- 2. The LCD as claimed in claim 1, wherein the first voltage is a gate-on/off voltage, and the second voltage is an analog driving voltage.
- 3. The LCD as claimed in claim 1, wherein the voltage divider comprises a variable resistor for variably generating a resistance value based on the viewing angle of the LCD panel, and outputs the third voltage using the variable resistor.
- 4. The LCD as claimed in claim 3, wherein the rotational axis of the variable resistor is connected to that of a hinge supporting an LCD module so as to automatically select the gamma curve by operation of a user.

5

- 5. The LCD as claimed in claim 4, wherein the variable resistor is of a dial or sliding type.
 - 6. An LCD adaptive to a viewing angle, comprising:
- a driving voltage generator for generating first and second voltages based on an externally input power;
- a decoder for decoding information of the viewing angle as received by operation of a user;
- a voltage divider comprising a plurality of resistors, for selecting any one of the resistors based on the decoded information of the viewing angle, and converting a level of the first voltage based on the selected resistor to generate a third voltage;
- a viewing angle generator for generating information about the viewing angle based on the second and third voltages; and
- a gamma curve determiner for selecting a liquid crystal gamma curve corresponding to received information about the viewing angle, and controlling a gray level with a gamma voltage value based on the selected liquid crystal gamma curve.
- 7. The LCD as claimed in claim 6, wherein the first voltage is a gate-on voltage, and the second voltage is an analog driving voltage.
 - 8. An LCD adaptive to a viewing angle comprising:
- a driving voltage generator for generating a first voltage based on an externally input power;

5

a decoder for decoding information of the viewing angle as received by operation of a user;

a power selector comprising a plurality of voltage sources, for selecting any one of the voltage sources based on the decoded information of the viewing angle to generate a second voltage;

a viewing angle generator for generating information about the viewing angle based on the first and second voltages; and

a gamma curve determiner for selecting a liquid crystal gamma curve corresponding to the received information about the viewing angle, and controlling a gray level with a gamma voltage value based on the selected liquid crystal gamma curve.

- 9. The LCD as claimed in claim 8, wherein the first voltage is an analog driving voltage.
 - 10. An LCD adaptive to a viewing angle, comprising:

a driving voltage generator for generating an analog driving voltage based on an input power externally received via a first input;

a viewing angle generator for generating information about the viewing angle with a level of the analog driving voltage dropped based on the viewing angle, and feeding the level-dropped analog driving voltage back to a second input of the driving voltage generator; and

a gamma curve determiner for selecting a liquid crystal gamma curve

5

corresponding to the received information about the viewing angle, and controlling a gray level with a gamma voltage value based on the selected liquid crystal gamma curve.

11. The LCD as claimed in claim 10, wherein the viewing angle generator comprises:

a first resistor receiving the analog driving voltage at one terminal thereof; and a second resistor having one terminal connected to a reference voltage or ground, and another terminal connected to another terminal of the first resistor, for lowering a level of the analog driving voltage and feeding the level-dropped analog

driving voltage back to the second input of the driving voltage generator.

12. The LCD as claimed in claim 11, wherein either the first resistor or a reference voltage is varied depending on the viewing angle of an LCD panel.

13. A notebook computer comprising:

a variable resistor;

an LCD panel;

wherein the variable resistor varies voltage application to liquid crystals constituting the LCD panel, with voltage application being a function of visual field angle.

14. The notebook computer of claim 13, wherein the variable resistor is mounted on a hinge supporting the LCD panel, with the hinge having a rotational axis

5

connected to that of the variable resistor.

15. A method for LCD gamma curve correction, comprising the steps of:

plotting a plot of $[(AVDD - V_{CE} + V_{BE}) / (Von - AVDD + V_{CE} - V_{BE})] \times R1$,

wherein AVDD is a first voltage generated as an analog driving voltage; V_{CE} is collector-emitter electrode voltage;

 V_{BE} is a base-emitter electrode voltage; R1 is a resistor; and adjusting an LOD gamma curve based on the plot.

16. A method of reducing flicker for an LCD having a gamma curve, comprising the steps of:

plotting a plot of $[(AVDD - V_{SE} + V_{BE}) / (Von - AVDD + V_{CE} - V_{BE})] \times R1$, wherein AVDD is a first voltage generated as an analog driving voltage; V_{CE} is collectoremitter electrode voltage;

V_{BE} is a base-emitter electrode voltage; R1 is a resistor; and adjusting the LCD gamma curve based on the plot.

- 17. A method of enhancing user visibility of a notebook computer comprising an LCD panel, comprising at least the steps of:
 - (a) varying voltage application to liquid crystals, wherein amount of voltage applied is a function of visual field angle.
 - 18. The method of claim 17, wherein enhanced gray color representation is

provided by said varying voltage application as a function of visual field angle, compared to not varying voltage application as a function of visual field angle.